

PRIORITY

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PRIORITY
IDEALIST

SUBJECT: IRIS II EVALUATION, MISSION GT69-299, 14 AUGUST 1969

1. IMAGE QUALITY: QUALITY AT ONSET IS POOR, HOWEVER, IT GRADUALLY IMPROVES THROUGHOUT FIRST 400 FRAMES AND REMAINS GOOD THEREAFTER. DEGRADATION IS SIMILAR TO THAT NOTED ON PREVIOUS MISSIONS FROM THIS SYSTEM AND IS ASSOCIATED WITH THERMAL CONTROL PROBLEMS. RESOLUTION TARGETS LOCATED AT EDWARDS AIR FORCE BASE, CALIFORNIA, IMAGED ON CLOUD FREE PHOTOGRAPHS. BEST GROUND RESOLUTION READINGS WERE 12.0 INCHES IN BOTH ALONG AND ACROSS TRACK DIRECTIONS.

2. MISSION DATA:

- A. MISSION GT69-299, OF 14 AUGUST 1969
- B. CAMERA NUMBER: S/N 8009
- C. MODE OF OPERATION: STEREO
- D. FILM TYPE/FILTER: 3404/V-23A
- E. FILM FOOTAGE/FRAMES: 8,000/1595
- F. PROCESSING: DUAL GAMMA CHEMISTRY

3. ORIGINAL NEGATIVE:

A. EXPOSURE: EXPOSURE APPEARS TO HAVE BEEN GOOD THROUGHOUT.

B. IMAGE DEGRADATION: IMAGE SMEAR NOTED INTERMITTENTLY THROUGHOUT MISSION. SMEAR ALIGNED IN BOTH ALONG AND ACROSS TRACK DIRECTION AND COULD BE THE RESULT OF VARIATIONS IN VEHICLE ATTITUDE. DEGRADATION NOT AS SEVERE AS NOTED ON MISSION GT69-292. A PLUS DENSITY LINE, ONE EIGHT INCH WIDE, STRIKES ACROSS LAST 90 FRAMES. IT IS 3.25 INCHES FROM TAKEUP END AND POSSIBLE PRESSURE INDUCED. DOUBLE IMAGERY ASSOCIATED WITH WINDOW JOINTS IS SIMILAR TO THAT ON PREVIOUS MISSIONS. REPRESENTATIVE OF CAMERA MANUFACTURER HAS STATED THAT NEW WINDOW JOINTS WERE EMPLOYED ON THIS MISSION.

- C. STATIC: NONE
- D. BANDING: MINIMAL
- E. METERING: GOOD THROUGHOUT.
- F. AUXILIARY DATA: SHARPLY IMAGED THROUGHOUT.

4. COMMENTS: THERE IS NO APPARENT DIFFERENCE BETWEEN IMAGE QUALITY ON FORWARD AND AFT LOOKING FRAMES.

S E C R E T

ENDOF MESSAGE

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